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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

SEPTEMBER 1946

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BULLETIN OF THE MONTH

"Making and Storing Farm Butter for Home Use"
Farmers' Bulletin 1979

The purpose of this publication is to tell (1) how to make good farm butter for current use, and (2) how to make good butter that will keep well in storage.

AGRICULTURAL INFORMATION SERIES

Protect home-cured meat from insects. Extension Service and Bureau of Entomology and Plant Quarantine. Folder, illus. (AIS-52.) Supersedes AWI 32.

Describes pests of stored meat, and gives suggestions for prevention.

Preventing black rot losses in sweetpotatoes. J. S. Cooley and R. J. Haskell. Bureau of Plant Industry, Soils, and Agricultural Engineering and Extension Service. Folder, illus. (AIS-55.) Supersedes AWI 27.

This disease is found in all sweetpotato-growing sections; it attacks all varieties. Practical recommendations for prevention are given.

CIRCULARS

Relation of temperature and seed moisture to the viability of stored soybean seed. Eben H. Toole and Vivian K. Toole. Bureau of Plant Industry, Soils, and Agricultural Engineering. 9 p., illus. (Circular 753C.) Price 5¢.

This information should help farmers and seedsmen to avoid unnecessary losses of planting seed. Plant breeders, also, will be interested in the possibility of preserving valuable seed stocks for very long periods.

*Compiled by Savanna D. Pierce, Office of Information.

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FARMERS' BULLETINS

Making and storing farm butter for home use. William White. Bureau of Dairy Industry. 16 p., illus. (Farmers' Bulletin 1979F.) Price 10¢. See page 1.

MISCELLANEOUS PUBLICATIONS

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1945-46. Betty T. Richardson. Office of Experiment Stations. 164 p. (Miscellaneous Publication 603M.) Price 25¢. Free distribution restricted.

Title is self-explanatory.

DDT and other insecticides and repellents developed for the armed forces. Prepared by the Orlando, Fla., Laboratory of the Bureau of Entomology and Plant Quarantine. 71 p., illus. (Miscellaneous Publication 606M.) Price 20¢. For sale only.

The materials and methods recommended for military conditions are applicable, with only slight modifications, for both military and civilian use under peacetime conditions.

The salt problem in irrigation agriculture. Research at the United States Regional Salinity Laboratory. H. E. Hayward and O. C. Magistad, with the assistance of the staff. Agricultural Research Administration. 27 p., illus. (Miscellaneous Publication 607M.) Price 5¢.

This publication describes the work of the Bankhead-Jones Laboratory at Riverside, California. It covers the complete program, the results obtained to date, and the continuing research.

TECHNICAL BULLETINS

Rapid photometric methods for determining rubber and resins in guayule tissue and rubber in crude-rubber products. Hamilton P. Traub. Bureau of Plant Industry, Soils, and Agricultural Engineering. 37 p., illus. (Technical Bulletin 920T.) Price 10¢.

Describes new, rapid photometric methods for the analysis of rubber and resins in small samples of guayule and of rubber in tissues of other plants and in crude-rubber products.

Effect of chloride and sulfate salts on the growth and development of the Elberta peach on Shalil and Lovell rootstocks. H. E. Hayward, E. M. Long, and Rachel Uhvits. Bureau of Plant Industry, Soils, and Agricultural Engineering. 48 p., illus. (Technical Bulletin 922T.) Price 15¢.

The importance of tree crops in the Western States and the possibility of injury of these crops as a result of salinity led to the initiation of sand-culture studies with trees. The results of the peach studies are summarized.

OTHER PUBLICATIONS

Dairy and poultry market statistics, 1945. Production and Marketing Administration. 70 p. (CS-18.) Price 25¢.

Title is self-explanatory.

[Title pages for] **Farmers' Bulletins Nos. 1951-1975, with contents.** [Office of Information.] 11 p. Price 5¢.

PERIODICALS

The agricultural situation. Vol. 30, No. 9. September 1946. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Agriculture decisions. Vol. 5, No. 7. July 1946. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Agriculture in the Americas. Vol. VI, No. 9. September 1946. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 9, No. 3. September 1946. Price 40¢ a copy, \$4.50 a year, domestic; 45¢ a copy, \$5.50 a year, foreign.¹

Consumers' guide. Vol. XII, No. 9. September 1946. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Experiment station record. Vol. 95, No. 2. August 1946. Subscription per volume (2 volumes a year), consisting of 6 monthly numbers and index, \$1.25, single numbers 20¢ a copy. Foreign subscription, per volume, \$2.00 a year.¹

Extension service review. Vol. 17, No. 9. September 1946. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. 10, No. 9. September 1946. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates, 5¢, domestic; 8¢, foreign.¹ The prices of separates vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 73, No. 5. September 1, 1946. Illus. Contents:

Relative toxicity to swine of lead arsenate spray residue, lead arsenate, lead acetate, and arsenic trioxide (Key No. Wash.-41). Kermit Groves, Ernest C. McCulloch, and J. L. St. John.

The nutritive value of cottonseed meal, soybean meal, and peanut meal when used separately and together to supplement the protein of prairie hay in experiments with steers (Key No. Okla.-33). H. M. Briggs, Willis D. Gallup, and A. E. Darlow.

Composition and apparent digestibility of the carbohydrate and other constituents of pea and lima-bean vines when fed to sheep (Key No. E-99). Max Phillips, C. O. Miller, and R. E. Davis.

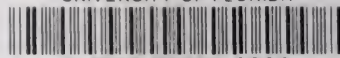
The influence of α -naphthaleneacetic acid spray on the maturity and storage physiology of apples, pears, and sweet cherries (Key No. G-1355). Fisk Gerhardt and D. F. Allmendinger.

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— Vol. 73, No. 6. September 15, 1946. Illus. Contents.

Some factors affecting the survival of artificially frozen fruit buds of peach (Key No. G-1361). D. H. Scott and F. P. Cullinan.

Clockwise and counterclockwise spirality in the phyllotaxy of tobacco (Key No. [G]-1365). H. A. Allard.

Storage quality of apples in relation to soil applications of boron (Key No. G-1359). Mark H. Haller and L. P. Batjer.

Land policy review. Vol. IX, No. 3. Fall 1946. Quarterly. Price 10¢ a copy, 30¢ a year, domestic; 40¢ a year, foreign.¹

News for farmer cooperatives. Vol. 13, No. 6, September, 1946. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 12, No. 1. September 1946. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Soil conservation. Vol. XII, No. 2. September 1946. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16 mm. and 35 mm. widths. Films in the 16 mm. size are available from State film libraries; 35 mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

BATTLING BRUCELLOSIS. 2 reels, 16 mm., sound, color. Running time, 20 minutes. The film tells the story of a typical livestock owner's battle against the deadly germ of bovine brucellosis, or bang's disease, that long has been a scourge of the livestock industry and causes undulant fever in man. As the story, entitled "Battling Brucellosis" unfolds, the observer sees not only what stockmen and veterinarians can do on farms to curb the ravages of the disease but also how scientists conduct the diagnostic blood test and perform other technical services in laboratories. Animated diagrams portray the physiology of the disease and the route by which the germs of brucellosis commonly attack their victims.

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